

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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<b>Applicant(s):</b> Steve T. Lin, et al.	<b>: Group Art Unit:</b> 1618
<b>Serial No.:</b> 10/645,744	<b>: Examiner:</b> Blessing M. Fubara
<b>Filed:</b> August 20, 2003	<b>: Attorney Docket No.:</b> 019870.052201
<b>For:</b> COMPOSITION FOR THE CARRYING AND DELIVERY OF BONE GROWTH INDUCING MATERIAL AND METHODS FOR PRODUCING AND APPLYING THE COMPOSITION	<b>:</b> <b>:</b>

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**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This Information Disclosure Statement is filed pursuant to 37 C.F.R. 1.97(b)(3). In this regard, it is noted that there has not yet been a mailing of a first Office Action on the merits in the above-identified application.

Of further note, no representation is intended that a complete search has been made by the applicants or that no better art references than those provided herewith are available. Moreover, the filing of this Information Disclosure Statement shall not be construed to be an admission that the information cited is, or is considered to be, material to patentability.

Respectfully submitted,  
GREENBERG TRAURIG, LLP

Dated: March 26, 2007

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# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 4

## **Complete if Known**

Application Number	10/645,744
Filing Date	08/20/2003
First Named Inventor	Steve T. Lin et al.
Air Unit	1711
Examiner Name	To Be Assigned
Attorney Docket Number	19870.052201

## **U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	1	US- 5,410,016	04/25/1995	Hubbell et al.	
	2	US- 5,626,863	05/06/1997	Hubbell et al.	
	3	US- 5,567,435	10/22/1996	Hubbell et al.	
	4	US- 5,986,043	11/16/1999	Hubbell et al.	
	5	US- 6,060,582	05/09/2000	Hubbell et al.	
	6	US- 6,306,922	10/23/2001	Hubbell et al.	
	7	US- 6,602,975	08/05/2003	Hubbell et al.	
	8	US- 5,573,934	11/12/1996	Hubbell et al.	
	9	US- 5,834,274	11/10/1998	Hubbell et al.	
	10	US- 5,843,743	12/01/1998	Hubbell et al.	
	11	US- 5,858,746	01/12/1999	Hubbell et al.	
	12	US- 6,465,001 B1	10/15/2002	Hubbell et al.	
	13	US- 6,632,446	10/14/2003	Hubbell et al.	
	14	US- 6,083,524	07/04/2000	Sawhney et al.	
	15	US- 6,177,095	01/21/2001	Sawhney et al.	
	16	US- 5,884,016	12/01/1998	Melanson et al.	
	17	US- 6,387,977	05/14/2002	Sawhney et al.	
	18	US- 5,900,245	05/04/1999	Sawhney et al.	
	19	US- 6,051,248	04/18/2000	Sawhney et al.	

## **FOREIGN PATENT DOCUMENTS**

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		Country Code <sup>4</sup> "Number" "Kind Code" (if known)				
	1	EP 0627911 B1	10/25/2000	Hubbell et al.		
	2	CA 2,117,584	09/22/1998	Hubbell et al.		
	3	JP 3011767	12/10/1999	Hubbell et al.		
	4	EP 6,27,912 B1	05/12/2004	Hubbell et al.		
	5	AU 45870 B2	09/23/1997	Sawhney et al.		
	6	CA 2,266,478	11/12/2002	Sawhney et al.		

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 2 of 4**Complete if Known**

Application Number	10/645,744
Filing Date	08/20/2003
First Named Inventor	Steve T. Lin et al.
Art Unit	1711
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	20	US- 6,217,894	04/17/2001	Sawhney et al.	
	21	US- 6,352,710	03/05/2002	Sawhney et al.	
	22	US- 6,531,147	03/11/2003	Sawhney et al.	
	23	US- 6,201,065	03/13/2001	Pathak et al.	
	24	US- 6,410,645	06/25/2002	Pathak et al.	
	25	US- 6,639,014	10/28/2003	Pathak et al.	
	26	US- 6,911,216	06/28/2005	Roth et al.	
	27	US- 6,162,241	12/19/2000	Coury et al.	
	28	US- 5,785,993	06/28/1998	Baker et al.	
	29	US- 5,879,713	03/09/1999	Roth et al.	
	30	US- 7,008,635 B1	03/07/2006	Coury et al.	
	31	US- 6,923,986	08/02/2005	Pathak et al.	
	32	US- 6,780,427	08/24/2004	Baker et al.	
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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	7	WO 01/17574 A1	03/15/2001	Coury et al.		
	8	WO 97/33628	09/18/1997	Leavitt et al.		
	9	WO 02051383 A2	07/04/2002	Philbrook et al.		
	10	CA 2117588	08/25/1998	Hubbell et al.		
	11	JP 3011768 B2	12/10/1999	Hubbell et al.		
	12	KR 10-0266912	06/29/2000	Hubbell et al.		

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		Country Code <sup>3</sup> * Number <sup>4</sup> * Kind Code <sup>5</sup> (# known)	MM-DD-YYYY			
	13	BR PI9711537-1 A	09/23/1997	Sawhney et al.		
	14	CA 2,396,229	09/23/1997	Sawhney et al.		
	15	WO 98/12243	03/26/1998	Sawhney et al.		
	16	AU 655249 B2	03/22/1996	Sawhney et al.		
	17	AU 48864 B2	09/22/1999	Sawhney et al.		
	18	AU 2002/300592	08/15/2002	Sawhney et al.		

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	19	CA 2215309	03/22/1996	Sawhney et al.		
	20	WO 9629370	03/22/1996	Sawhney et al.		
	21	CA 2228118	07/28/1995	Pathank et al.		
	22	EP 0842209 B1	05/20/1998	Pathank et al.		
	23	WO 2004/017915 A2	03/04/2004	Lin et al.		
	24	EP 0927214 A1	07/07/1999	Sawhney et al.		

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